THEORETICAL AND APPLIED GENETICS

International Journal of Plant Breeding Research

Volume 100 · 2000

Editors-in-Chief

G. Wenzel, Freising
H. C. Becker, Göttingen

Managing Editor

C. Möllers, Göttingen

Editorial Board

L. Alföldi, Szeged
J. S. Beckmann, Paris
J. Dvorak, Davis, California
B. S. Gill, Manhatten, KS
Yu. Gleba, Princeton, NJ
K. Glimelius, Uppsala
R. Hagemann, Halle/S.
A. L. Kahler, Brookings, SD
P. Langridge, Glen Osmond, SA
H. F. Linskens, Heidelberg
K. Oono, Sapporo
P. L. Pfahler, Gainesville, FL
M. A. Saghai Maroof, Blacksburg, VA
F. Salamini, Köln-Vogelsang
J. W. Snape, Norwich
P. M. A. Tigerstedt, Helsinki
L. Willmitzer, Golm

Springer

THEORETICAL
AND
APPLIED GENETICS

International Journal
of Plant Breeding Research

Founded in 1929 as "Der Züchter", a German journal for theoretical and applied genetics. In 1966 its direction changed from national to international and from plant breeding to genetics and breeding research. The title changed in 1968 to "Theoretical and Applied Genetics". Edited by H. Stubbe from 1946 to 1976, by H. F. Linskens 1977 to 1987 and by G. Wenzel from 1988

TAG will publish original articles in the following areas:

- **Genetic and physiological fundamentals of plant breeding**
- **Applications of plant biotechnology**
- **Theoretical considerations in combination with experimental data**

Springer

Copyright

Submission of a manuscript implies: that the work described has not been published before (except in the form of an abstract or as part of a published lecture, review, or thesis); that it is not under consideration for publication elsewhere; that its publication has been approved by all coauthors, if any, as well as by the responsible authorities at the institute where the work has been carried out; that, if and when the manuscript is accepted for publication, the authors agree to automatic transfer of the copyright to the publisher; and that the manuscript will not be published elsewhere in any language without the consent of the copyright holders.

All articles published in this journal are protected by copyright, which covers the exclusive rights to reproduce and distribute the article (e.g., as offprints), as well as all translation rights. No material published in this journal may be reproduced photographically or stored on microfilm, in electronic data bases, video disks, etc., without first obtaining written permission from the publisher.

The use of general descriptive names, trade names, trademarks, etc., in this publication, even if not specifically identified, does not imply that these names are not protected by the relevant laws and regulations.

While the advice and information in this journal is believed to be true and accurate at the date of its going to press, neither the authors, the editors, nor the publisher can accept any legal responsibility for any errors or omissions that may be made. The publisher makes no warranty, express or implied, with respect to the material contained herein.

Special regulations for photocopies in the USA: Photocopies may be made for personal or in-house use beyond the limitations stipulated under Section 107 or 108 of U.S. Copyright Law, provided a fee is paid. All fees should be paid to the Copyright Clearance Center, Inc., 21 Congress Street, Salem, MA 01970, USA, stating the ISSN 0040-5752, the volume, and the first and last page numbers of each article copied. The copyright owner's consent does not include copying for general distribution, promotion, new works, or resale. In these cases, specific written permission must first be obtained from the publisher.

The Canada Institute for Scientific and Technical Information (CISTI) provides a comprehensive, world-wide document delivery service for all Springer-Verlag journals. For more information, or to place an order for a copyright-cleared Springer-Verlag document, please contact Client Assistant, Document Delivery, CISTI, Ottawa K1A 0S2, Canada (Tel: 613-993-9251; Fax: 613-952-8243; e-mail: cisti.docdel@nrc.ca).

Electronic version. An electronic version of this journal is available via the LINK Information Service at http://link.springer.de, e-mail: access@link.springer.de, Fax: +49-6221-487-120 or http://link.springer-ny.com, e-mail: link@springer-ny.com, Fax: +1-212-473-6272.

Would you like to automatically receive per e-mail the table of contents with direct links to the respective abstracts as soon as a new issue is available in LINK? Then take advantage of our new, free service LINK Alert. For registration and further information just go to http://link.springer.de/alert or http://link.springer-ny.com/alert

Typesetting/Printing

Stürtz AG, Würzburg, Germany
Springer-Verlag is a company in the BertelsmannSpringer publishing group.
© Springer-Verlag
Berlin Heidelberg 2000
Printed in Germany

Table of contents Volume 100, 2000

No. 1, pp. 1 – 166 published in January 2000
No. 2, pp. 167 – 336 published in January 2000
No. 3–4, pp. 337 – 640 published in February 2000
No. 5, pp. 641 – 824 published in March 2000
No. 6, pp. 825 – 984 published in April 2000
No. 7, pp. 985 – 1154 published in May 2000
No. 8, pp. 1155 – 1320 published in June 2000

Ablett EM → Scott KD
Aggarwal RK → Joshi SP
Aguinagalde I → Mohanty A
Agúndez D → Salvador L
Ahne R → Schrader O
Akpan GA: Cytogenetic characteristics and the breeding system in six *Hibiscus* species 315
Albagnac G → Marty I
Aldam C → Rae SJ
Aldam C → Teulat B
Ali J → Reddy OUK
Alía R → Salvador L
Alibert G → Bolandi AR
Allen D → Giddings G
Alston FH → King GJ
Alvarez ML, Guelman S, Halford NG, Lustig S, Reggiardo MI, Ryabushkina N, Shewry P, Stein J, Vallejos RH: Silencing of HMW glutenins in transgenic wheat expressing extra HMW subunits 319
Ananiev E → Svitashev S
Ando H → Taketa S
Andrzejewski S → Lashermes P
Anisimova IN → Konarev AlV
Anselin F → Arcade A
Anthony F → Lashermes P
Araki E, Miura H, Sawada S: Differential effects of the null alleles at the three *Wx* loci on the starch-pasting properties of wheat 1113
Aravanopoulos FA: Absence of association between heterozygosity and biomass production in *Salix exigua* Nutt 1203
Arcade A, Anselin F, Faivre Rampant P, Lesage MC, Pâques LE, Prat D: Application of AFLP, RAPD and ISSR markers to genetic mapping of European and Japanese larch 299
Arnholdt-Schmitt B: RAPD analysis: a method to investigate aspects of the reproductive biology of *Hypericum perforatum* L. 906
Arnold GM → Teulat B
Arora R, Rowland LJ, Lehman JS, Lim CC, Panta GR, Vorsa N: Genetic analysis of freezing tolerance in blueberry (*Vaccinium* section *Cyanococcus*) 690
Arumugam N, Mukhopadhyay A, Gupta V, Sodhi YS, Verma JK, Pental D, Pradhan AK: Somatic cell hybridization of "*oxy*" CMS *Brassica juncea* (AABB) with *B. oleracea* (CC) for correction of chlorosis and transfer of novel organelle combinations to allotetraploid brassicas 1043
Augustyniak H → Szklarczyk M
Austin D → Goldman IL
Avidan N → Ron M
Avni A → Ron M
Ayliffe MA, Collins NC, Ellis JG, Pryor A: The maize *rp1* rust resistance gene identifies homologues in barley that have been subjected to diversifying selection 1144
Ayres N → Cho YG
Ayres N → Temnykh S

Babwah AV, Waddell CS: Cytosine deaminase as a substrate-dependent negative selectable marker in *Brassica napus* 802
Backes G → Kicherer S
Badaloo GH → Ramdoyal K
Bagger-Jørgensen R → Tomiuk J
Bai G-H, Shaner G, Ohm H: Inheritance of resistance to *Fusarium graminearumm* in wheat 1
Baisakh N → Datta K
Balyan HS → Prasad M
Balyan HS → Varshney RK
Bao JS, Zheng XW, Xia YW, He P, Shu QY, Lu X, Chen Y, Zhu LH: QTL mapping for the paste viscosity characteristics in rice (*Oryza sativa* L.) 280
Barker JHA → Teulat B
Barnes SR → Rae SJ
Barnes SR → Setiawan A
Barraclough PB → Price AH
Basford KE → Qiao CG
Baudouin L → Teulat B
Beck-Bunn T → Fulton TM
Beiles A → Li Y-C
Bell R → Butcher PA
Belter JG → Boiteux LS
Benmoussa M, Vézina L-P, Pagé M, Yelle S, Laberge S: Genetic polymorphism in low-molecular-weight glutenin genes from *Triticum aestivum*, variety Chinese Spring 789
Bérard P → Oury F-X
Bernal A → Fregene M
Bernard M → Chantret N
Bernard M → Perretant MR
Bernard S → Perretant MR
Bernardo R, Romero-Severson J, Ziegle J, Hauser J, Joe L, Hookstra G, Doerge RW: Parental contribution and coefficient of coancestry among maize inbreds: pedigree, RFLP, and SSR data 552
Bertocchi E → Costa P
Bertrand B → Lashermes P
Bervillé A → Besnard G
Berville A → Bolandi AR
Besnard G, Khadari B, Villemur P, Bervillé A: Cytoplasmic male sterility in the olive (*Olea europaea* L.) 1018
Bettany AJE → Pašakinskienė I
Bieri S, Potrykus I, Fütterer J: Expression of active barley seed ribosome-inactivating protein in transgenic wheat 755
Blanchard P → Lu YH
Blume YB → Yemets AI
Bodenes C → Costa P
Boeuf C → Perretant MR
Boiteux LS, Belter JG, Roberts PA, Simon PW: RAPD linkage map of the genomic region encompassing the root-knot nematode (*Meloidogyne javanica*) resistance locus in carrot 439
Bolandi AR, Branchard M, Alibert G, Genzbitel L, Berville A, Sarrafi A: Combining-ability analysis of somatic embryogenesis from epidermal layers in the sunflower (*Helianthus annuus* L.) 621
Börner A, Chebotar S, Korzun V: Molecular characterization of the genetic integrity of wheat (*Triticum aestivum* L.) germplasm after long-term maintenance 494
Börner A, Röder MS, Unger O, Meinel A: The detection and molecular mapping of a major gene for non-specific adult-plant disease resistance against stripe rust (*Puccinia striiformis*) in wheat 1095
Börner A → Salina E
Börner T → Szklarczyk M
Bošković R, Russell K, Tobutt KR, Ridout MS: An isoenzyme marker linked to the incompatibility locus in cherry 512
Botha A-M → Venter E
Botta R → Sefc KM
Brabant P → Oury F-X
Bradshaw JE, Todd D, Wilson RN: Use of tuber progeny tests for genetical studies as part of a potato (*Solanum tuberosum* subsp. *tuberosum*) breeding programme 772
Bradshaw JE → Luo ZW
Branchard M → Bolandi AR
Brancourt-Hulmel M, Denis J-B, Lecomte C: Determining environmental covariates which explain genotype environment interaction in winter wheat through probe genotypes and biadditive factorial regression 285
Branlard G → Perretant MR
Brar DS → Joshi SP
Bridgwater FE → Gwaze DP

7 432HI XL 2997
10/00 31249-175 NIJLB

Briquet M → Scheepers D
Budahn H → Schrader O
Budiman MA → Zhang H-B
Büren M von, Lüthy J, Hübner P: A spelt-specific γ-gliadin gene: discovery and detection 271
Butcher PA, Moran GF, Bell R: Genetic linkage mapping in *Acacia mangium*. 1. Evaluation of restriction endonucleases, inheritance of RFLP loci and their conservation across species 576
Butler DG → Tao YZ
Byram TD → Gwaze DP

Cadalen T → Perretant MR
Cai H-W, Morishima H: Genomic regions affecting seed shattering and seed dormancy in rice 840
Carreel F → D'Hont A
Cartinhour S → Cho YG
Cartinhour S → Temnykh S
Castillo-Agudo L del → Nebauer SG
Cervera M, Pina JA, Juárez J, Navarro L, Peña L: A broad exploration of a transgenic population of citrus: stability of gene expression and phenotype 670
Cervera M-T → Costa P
Chantret N, Sourdille P, Röder M, Tavaud M, Bernard M, Doussinault G: Location and mapping of the powdery mildew resistance gene *MIRE* and detection of a resistance QTL by bulked segregant analysis (BSA) with microsatellites in wheat 1217
Charmet G → Perretant MR
Charters YM, Wilkinson MJ: The use of self-pollinated progenies as "in-groups" for the genetic characterization of cocoa germplasm 160
Chebotar S → Börner A
Chen P → Tao W
Chen S-Y → Li Z-Y
Chen X → Cho YG
Chen Y → Bao JS
Cheres MT, Miller JF, Crane JM, Knapp SJ: Genetic distance as a predictor of heterosis and hybrid performance within and between heterotic groups in sunflower 889
Chetelat RT, Meglic V: Molecular mapping of chromosome segments introgressed from *Solanum lycopersicoides* into cultivated tomato (*Lycopersicon esculentum*) 232
Chèvre AM, Eber F, Darmency H, Fleury A, Picault H, Letanneur JC, Renard M: Assessment of interspecific hybridization between transgenic oilseed rape and wild radish under normal agronomic conditions 1233
Cho YG, Ishii T, Temnykh S, Chen X, Lipovich L, McCouch SR, Park WD, Ayres N, Cartinhour S: Diversity of microsatellites derived from genomic libraries and GenBank sequences in rice (*Oryza sativa* L.) 713
Cho YG → Temnykh S
Choi D-W, Close TJ: A newly identified barley gene, *Dhn12*, encoding a YSK_2 DHN, is located on chromosome 6H and has embryo-specific expression 1277
Clark LJ → Price AH
Clarke AE → Li J-H
Close TJ → Choi D-W
Collins NC → Ayliffe MA
Combes MC → Lashermes P
Continella G → Nicolosi E
Cooke RJ → Donini P
Cooper M → Qiao CG
Costa P, Pot D, Dubos C, Frigerio JM, Pion C, Bodenes C, Bertocchi E, Cervera M-T, Remington DL, Plomion C: A genetic map of Martime pine based on AFLP, RAPD and protein markers 39
Crane JM → Cheres MT
Csanádi G → Kaló P

Darmency H → Chèvre AM
Datta K, Koikolíková-Nicola Z, Baisakh N, Oliva N, Datta SK: *Agrobacterium*-mediated engineering for sheath blight resistance of indica rice cultivars from different ecosystems 832
Datta R, Rajebhosale MD, Dhaliwal HS, H-Singh , Ranjekar PK, Gupta VS: Intraspecific genetic variability analysis of *Neovossia indica* causing Karnal bunt of wheat using repetitive elements 569
Datta SK → Datta K
De Bustos A, Rubio P, Jouve N: Molecular characterisation of the inactive allele of the gene *Glu-A1* and the development of a set of AS-PCR markers for HMW glutenins of wheat 1085
DeLacy IH → Qiao CG
DelMonte TA → Jiang C
Deng Z → Ling P
Deng ZN → Nicolosi E
Denis J-B → Brancourt-Hulmel M
Devos KM, Pittaway TS, Reynolds A, Gale MD: Comparative mapping reveals a complex relationship between the pearl millet genome and those of foxtail millet and rice 190
Devos KM → Poncet V
Dhaliwal HS → Datta R
Dhaliwal HS → Varshney RK
Dickson MH → Ren JP
Dixon A → Fregene M
Djè Y, Heuertz M, Lefèbvre C, Vekemans X: Assessment of genetic diversity within and among germplasm accessions in cultivated sorghum using microsatellite markers 918
Dodds PN → Li J-H
Doerge RW → Bernardo R
Doganlar S, Frary A, Tanksley SD: The genetic basis of seed-weight variation: tomato as a model system 1267
Doganlar S, Tanksley SD, Mutschler MA: Identification and molecular mapping of loci controlling fruit ripening time in tomato 249
Domaingue R → Ramdoyal K
Dominguez I → Rae SJ
Dong NV, Subudhi PK, Luong PN, Quang VD, Quy TD, Zheng HG, Wang B, Nguyen HT: Molecular mapping of a rice gene conditioning thermosensitive genic male sterility using AFLP, RFLP and SSR techniques 727
Donini P, Law JR, Koebner RMD, Reeves JC, Cooke RJ: Temporal trends in the diversity of UK wheat 912
Douat C → Marty I
Doussinault G → Chantret N
D'Hont A, Paget-Goy A, Escoute J, Carreel F: The interspecific genome structure of cultivated banana, *Musa spp.* revealed by genomic DNA *in situ* hybridization 177
D'Ovidio R → Masci S
Dubcovsky J, Tranquilli G, Khan IA, Pflüger LA, Suárez E, Rousset M, Dvorak J: Comparisons of recombination frequencies in hybrids involving telocentric and bibrachial wheat chromosomes 308
Dubcovsky J → Helguera M
Dubos C → Costa P
Duncan LW → Ling P
Dunn D → Ling P
Duque M → Fregene M
Durel CE → King GJ
Dussert S → Lashermes P
Dvořák J → Luo MC
Dvorak J → Dubcovsky J

Earle ED → Ren JP
Eber F → Chèvre AM
Edwards KJ → Rae SJ
Eggler P → Scott KD
Ellis JG → Ayliffe MA
Eloy M-C → Scheepers D
Endre G → Kaló P
Engelke T, Tatlioglu T: Mitochondrial genome diversity in connection with male sterility in *Allium schoenoprasum* L. 942
Erschadi S, Haberer G, Schöniger M, Torres-Ruiz RA: Estimating genetic diversity of *Arabidopsis thaliana* ecotypes with amplified fragment length polymorphisms (AFLP) 633
Escoute J → D'Hont A
Eshed Y → Ron M
Evans KM → King GJ

Fahima T → Li Y-C
Faivre Rampant P → Arcade A
Fang JJ → Wu RL
Feng Y → Tao W
Fernández-Martínez JM → Pérez-Vich B
Ferreira ME → Moretzsohn MC
Feuillet C → Messmer MM
Fido R → Konarev AlV
Fladung M → Parani M
Fleury A → Chèvre AM
Fominaya A → Linares C
Ford-Lloyd BV → Virk PS
Frampton A → Fulton TM
Frary A → Doganlar S
Fregene M, Bernal A, Duque M, Dixon A, Tohme J: AFLP analysis of African cassava (*Manihot esculenta* Crantz) germplasm resistant to the cassava mosaic disease (CMD) 678
Freitas Alves E → Linacero R
Fridman E → Fulton TM
Frigerio JM → Costa P

Fu YB: Effectiveness of bulking procedures in measuring population-pairwise similarity with dominant and co-dominant genetic markers 1284
Fulton TM, Grandillo S, Beck-Bunn T, Fridman E, Frampton A, Lopez J, Petiard V, Uhlig J, Zamir D, Tanksley SD: Advanced backcross QTL analysis of a *Lycopersicon esculentum* × *Lycopersicon parviflorum* cross 1025
Fütterer J → Bieri S

Gale MD → Devos KM
Gale MD → Poncet V
Garcés R → Pérez-Vich B
García-Tejada JA → Lu YH
Garrick DJ → Kumar S
Gastafson JP, Yano M: Genetic mapping of hypervariable minisatellite sequences in rice (*Oryza sativa* L.) 447
Gavrilova VA → Konarev AlV
Gentile A → Nicolosi E
Genzbitel L → Bolandi AR
Gerats AGM → Strommer J
Gerber S → Lexer C
Ghesquière A → Lorieux M
Giddings G: Modelling the spread of pollen from *Lolium perenne*. The implications for the release of wind-pollinated transgenics 971
Giddings G, Mytton L, Taylor L, Thomas S, Allen D, Skøt L: A secondary effect of transformation in *Rhizobium leguminosarum* transgenic for *Bacillus thuringiensis* subspecies *tenebrionis* δ-endotoxin (*cryIIIA*) genes. Part 2 820
Gil L → Salvador L
Gilboa N → Levin I
Gleba YY → Yemets AI
Glössl J → Lexer C
Glössl J → Sefc KM
Gmitter FGJr → Ling P
Godwin ID → Konduri V
Goldman IL, Austin D: Linkage among the *R*, *Y* and *Bl* loci in table beet 337
Goto F, Yoshihara T, Saiki H: Iron accumulation and enhanced growth in transgenic lettuce plants expressing the iron-binding protein ferritin 658
Grandillo S → Fulton TM
Grattapaglia D → Moretzsohn MC
Grausgruber H → Stachel M
Graziosi G → Lashermes P
Griffiths CM → Pašakinskienė I
Griffon B → King GJ
Grivet L → Lespinasse D
Guelman S → Alvarez ML
Guerra M → Pedrosa A
Gupta PK → Prasad M
Gupta PK → Varshney RK
Gupta V → Arumugam N
Gupta VS → Datta R
Gupta VS → Joshi SP
Gwaze DP, Bridgwater FE, Byram TD, Woolliams JA, Williams CG: Predicting age-age genetic correlations in tree-breeding programs: a case study of *Pinus taeda* L. 199

Haberer G → Erschadi S
Hackett CA → Luo ZW
Halford NG → Alvarez ML
Han YF → Wu RL
Han ZM, Yin TM, Li CD, Huang MR, Wu RL: Host effect on genetic variation of *Marssonina brunnea* pathogenic to poplars 614
Harjit-Singh → Varshney RK
Harrison GE → Taketa S
Hart GE → Wenig Y
Hauck N → Temnykh S
Hauser J → Bernardo R
Hauser TP → Tomiuk J
Hayashi E → Kondo T
Hayes AJ, Saghai Maroof MA: Targeted resistance gene mapping in soybean using modified AFLPs 1279
He C → Wu P
He P → Bao JS
Heinze B → Lexer C
Helguera M, Khan IA, Dubcovsky J: Development of PCR markers for the wheat leaf rust resistance gene *Lr47* 1137
Henry RJ → Scott KD
Henzell RG → Tao YZ
Herz M → Schwarz G
Heslop-Harrison JS → Taketa S
Heuertz M → Djè Y
Heusden AW van, Ooijen JW van, Vrielink-van Ginkel R, Verbeek WHJ, Wietsma WA, Kik C: A genetic map of an interspecific cross in *Allium* based on amplified fragment length polymorphism (AFLP™) markers 118
Heusden AW van, Shigyo M, Tashiro Y, Vrielink-van Ginkel R, Kik C: AFLP linkage group assignment to the chromosomes of *Allium cepa* L. via monosomic addition lines 480
Hittalmani S, Parco A, Mew TV, Zeigler RS, Huang N: Fine mapping and DNA marker-assisted pyramiding of the three major genes for blast resistance in rice 1121
Hoebrechts M → Rae SJ
Hookstra G → Bernardo R
Hou A, Peffley EB: Recombinant chromosomes of advanced backcross plants between *Allium cepa* L. and *A. fistulosum* L. revealed by in situ hybridization 1190
Hou A → Peffley EB
Howell EC → Sebastian RL
H-Singh → Datta R
Hu B → Wu P
Hu JJ → Wu RL
Hu X → Ling P
Huang JC, Sun M: Genetic diversity and relationships of sweetpotato and its wild relatives in *Ipomoea* series *Batatas* (Convolvulaceae) as revealed by inter-simple sequence repeat (ISSR) and restriction analysis of chloroplast DNA 1050
Huang MR → Han ZM
Huang N → Hittalmani S
Huang S → Ling P
Huang XQ → Schwarz G
Hübner P → Büren M von
Humphreys MW → Pašakinskienė I
Hussain AJ → Reddy OUK

Ibáñez J → Sefc KM
Iezzoni AF → Wang D
Imai R → Koizuka N
Imamura J → Koizuka N
Irigoyen ML → Linares C
Ishii T, McCouch SR: Microsatellites and microsynteny in the chloroplast genomes of *Oryza* and eight other Gramineae species 1257
Ishii T → Cho YG
Ishii T → Kaga A
Ishii T → Temnykh S
Iwabuchi M → Koizuka N
Iwata H → Nikaido AM

Jackson MT → Virk PS
Jahoor A → Kicherer S
Jahoor A → Schwarz G
Jia X → Tang S
Jiang C, Wright RJ, Woo SS, DelMonte TA, Paterson AH: QTL analysis of leaf morphology in tetraploid *Gossypium* (cotton) 409
Jin WZ → Wu P
Joe L → Bernardo R
Johnston PA → Pickering RA
Jordan DR → Tao YZ
Joshi SP, Gupta VS, Aggarwal RK, Ranjekar PK, Brar DS: Genetic diversity and phylogenetic relationship as revealed by inter simple sequence repeat (ISSR) polymorphism in the genus *Oryza* 1311
Jouve N → De Bustos A
Juárez J → Cervera M
Jung C → Reamon-Büttner SM
Jung C → Setiawan A
Jungsup K → Marty I

Kaga A, Ishii T, Tsukimoto K, Tokoro E, Kamijima O: Comparative molecular mapping in *Ceratotropis* species using an interspecific cross between azuki bean (*Vigna angularis*) and rice bean (*V. umbellata*) 207
Kaló P, Endre G, Zimányi L, Csanádi G, Kiss GB: Construction of an improved linkage map of diploid alfalfa (*Medicago sativa*) 641
Kamijima O → Kaga A
Kantety R → Ron M
Käpylä M → Pasonen H-L
Karle R → Wang D
Karp A → Teulat B
Kasarda DD → Masci S
Kawasaki H → Kondo T
Kawasaki S → Nagano H
Kearsey MJ → Sebastian RL
Keller B → Messmer MM
Keller M → Messmer MM
Kelly AM → Tao YZ
Khadari B → Besnard G
Khan IA → Dubcovsky J
Khan IA → Helguera M

Khrustaleva L, Kik C: Introgression of *Allium fistulosum* into *A. cepa* mediated by *A. roylei* 17
Kicherer S, Backes G, Walther U, Jahoor A: Localising QTLs for leaf rust resistance and agronomic traits in barley (*Hordeum vulgare* L.) 881
Kik C → Heusden AW van
Kik C → Khrustaleva L
Kik C → Raamsdonk LWD van
King GJ, Maliepaard C, Lynn JR, Alston FH, Durel CE, Evans KM, Griffon B, Laurens F, Manganaris AG, Schrevens E, Tartarini S, Verhaegh J: Quantitative genetic analysis and comparison of physical and sensory descriptors relating to fruit flesh firmness in apple (*Malus pumila* Mill.) 1074
King GJ → Sebastian RL
Kirzhner VM → Li Y-C
Kishima Y → Nagano H
Kiss GB → Kaló P
Knapp SJ → Cheres MT
Koch G → Setiawan A
Koebner RMD → Donini P
Koebner RMD → Van Campenhout S
Koikolíková-Nicola Z → Datta K
Koizuka N, Imai R, Iwabuchi M, Sakai T, Imamura J: Genetic analysis of fertility restoration and accumulation of ORF125 mitochondrial protein in the kosena radish (*Raphanus sativus* cv. Kosena) and a *Brassica napus* restorer line 949
Konarev AlV, Anisimova IN, Gavrilova VA, Rozhkova VT, Fido R, Tatham AS, Shewry PR: Novel proteinase inhibitors in seeds of sunflower (*Helianthus annuus* L.): polymorphism, inheritance and properties 82
Kondo T, Terada K, Hayashi E, Kuramoto N, Okamura M, Kawasaki H: RAPD markers linked to a gene for resistance to pine needle gall midge in Japanese black pine (*Pinus thunbergii*) 391
Konduri V, Godwin ID, Liu CJ: Genetic mapping of the *Lablab purpureus* genome suggests the presence of "cuckoo" gene(s) in this species 866
Korol AB → Li Y-C
Korzun V → Börner A
Korzun V → Pickering RA
Korzun V → Salina E
Kremer A → Lexer C
Kubo T, Yamamoto MP, Mikami T: The *nad4L-orf25* gene cluster is conserved and expressed in sugar beet mitochondria 214
Kumar N → Varshney RK
Kumar S, Spelman RJ, Garrick DJ, Richardson TE, Lausberg M, Wilcox PL: Multiple-marker mapping of wood density loci in an outbred pedigree of radiata pine 926
Kundel'chuk OP → Yemets AI
Künzel G → Pickering RA
Kuramoto N → Kondo T
Kusaba M → Li J-H

La Malfa S → Nicolosi E
Laberge S → Benmoussa M
Lafiandra D → Masci S
Laikova L → Salina E
Lakshmi M → Parani M
Lamy F → Poncet V
Larkin PJ → Tang S
Lashermes P, Andrzejewski S, Bertrand B, Combes MC, Dussert S, Graziosi G, Trouslot P, Anthony F: Molecular analysis of introgressive breeding in coffee (*Coffea arabica* L.) 139
Laurens F → King GJ
Lausberg M → Kumar S
Law JR → Donini P
Le Thierry d'Ennequin M, Panaud O, Toupance B, Sarr A: Assessment of genetic relationships between *Setaria italica* and its wild relative *S. viridis* using AFLP markers 1061
Lebrun P → Teulat B
Lecomte C → Brancourt-Hulmel M
Leconte A → Lespinasse D
Lee LS → Scott KD
Lefèbvre C → Djè Y
Lefort F → Sefc KM
Legnate H → Lespinasse D
Lehman JS → Arora R
Lelley T → Stachel M
Leonova I → Salina E
Lesage MC → Arcade A
Lespinasse D, Grivet L, Troispoux V, Rodier-Goud M, Pinard F, Seguin M: Identification of QTLs involved in the resistance to South American leaf blight (*Microcyclus ulei*) in the rubber tree 975
Lespinasse D, Rodier-Goud M, Grivet L, Leconte A, Legnate H, Seguin M: A saturated genetic linkage map of rubber tree (*Hevea* spp.) based on RFLP, AFLP, microsatellite, and isozyme markers 127
Letanneur JC → Chèvre AM
Leustek T → Marty I
Levin I, Gilboa N, Yeselson E, Shen S, Schaffer AA: *Fgr*, a major locus that modulates the fructose to glucose ratio in mature tomato fruits 256
Lexer C, Heinze B, Gerber S, Macalka-Kampfer S, Steinkellner H, Kremer A, Glössl J: Microsatellite analysis of maternal half-sib families of *Quercus robur*, pedunculate oak: II. inferring the number of pollen donors from the offspring 858
Li CD → Han ZM
Li J-H, Nass N, Kusaba M, Dodds PN, Treloar N, Clarke AE, Newbigin E: A genetic map of the *Nicotiana alata S* locus that includes three pollen-expressed genes 956
Li L → Wu RL
Li ML → Wu RL
Li Y-C, Röder MS, Fahima T, Kirzhner VM, Beiles A, Korol AB, Nevo E: Natural selection causing microsatellite divergence in wild emmer wheat at the ecologically variable microsite at Ammiad, Israel 985
Li Z → Tang S
Li Z-Y, Chen S-Y: Differential accumulation of the S-adenosylmethionine decarboxylase transcript in rice seedlings in response to salt and drought stresses 782
Liao CY → Wu P
Lillemo M, Morris CF: A leucine to proline mutation in puroindoline b is frequently present in hard wheats from Northern Europe 1100
Lim CC → Arora R
Lim Shin Chong LCY → Ramdoyal K
Linacero R, Freitas Alves E, Vázquez AM: Hot spots of DNA instability revealed through the study of somaclonal variation in rye 506
Linares C, Irigoyen ML, Fominaya A: Identification of C-genome chromosomes involved in intergenomic translocations in *Avena sativa* L., using cloned repetitive DNA sequences 353
Ling P, Duncan LW, Deng Z, Dunn D, Hu X, Huang S, Gmitter FGJr: Inheritance of citrus nematode resistance and its linkage with molecular markers 1010
Linke B → Szklarczyk M
Lipovich L → Cho YG
Lipovich L → Temnykh S
Liu CJ → Konduri V
Liu D → Tao W
Liu J → Tao W
Lopes MS → Sefc KM
Lopez J → Fulton TM
Lorieux M, Ndjiondjop M-N, Ghesquière A: A first interspecific *Oryza sativa*×*Oryza glaberrima* microsatellite-based genetic linkage map 593
Lu X → Bao JS
Lu YH, Melero-Vara JM, García-Tejada JA, Blanchard P: Development of SCAR markers linked to the gene *Or5* conferring resistance to broomrape (*Orobanche cumana* Wallr.) in sunflower 625
Lübberstedt T → Xu ML
Luo MC, Yang ZL, Dvořák J: The *Q* locus of Iranian and European spelt wheat 602
Luo ZW, Hackett CA, Bradshaw JE, McNicol JW, Milbourne D: Predicting parental genotypes and gene segregation for tetrasomic inheritance 1067
Luong PN → Dong NV
Lustig S → Alvarez ML
Lüthy J → Büren M von
Lynn JR → King GJ

Macalka-Kampfer S → Lexer C
Maliepaard C → King GJ
Malyshev S → Pickering RA
Manganaris AG → King GJ
Manninen OM: Associations between anther-culture response and molecular markers on chromosomes 2H, 3H and 4H of barley (Hordeum vulgare L.) 57
Marshall DF → Sebastian RL
Martin GB → Ron M
Martín JP → Mohanty A
Marty I, Douat C, Tichit L, Jungsup K, Leustek T, Albagnac G: The cystathionine-γ-synthase gene involved in methionine biosynthesis is highly expressed and auxin-repressed during wild strawberry (*Fragaria vesca* L.) fruit ripening 1129
Masci S, D'Ovidio R, Lafiandra D, Kasarda DD: A 1B-coded low-molecular-

weight glutenin subunit associated with quality in durum wheats shows strong similarity to a subunit present in some bread wheat cultivars 396
Matsuoka Y → Wang G-Z
Matthews WC → Simon PW
Maystrenko O → Salina E
McCouch SR → Cho YG
McCouch SR → Ishii T
McCouch SR → Temnykh S
McIntyre CL → Tao YZ
McNicol JW → Luo ZW
Meglic V → Chetelat RT
Meinel A → Börner A
Melchinger AE → Xu ML
Melero-Vara JM → Lu YH
Menke M → Pickering RA
Messmer MM, Seyfarth R, Keller M, Schachermayr G, Winzeler M, Zanetti S, Feuillet C, Keller B: Genetic analysis of durable leaf rust resistance in winter wheat 419
Mew TV → Hittalmani S
Michalek W → Schwarz G
Michalik B → Szklarczyk M
Mikami T → Kubo T
Milbourne D → Luo ZW
Miller JF → Cheres MT
Miura H → Araki E
Mohanty A, Martín JP, Aguinagalde I: Chloroplast DNA diversity within and among populations of the allotetraploid *Prunus spinosa* L. 1304
Mohler V → Schwarz G
Molnar SJ → Strommer J
Monforte AJ, Tanksley SD: Fine mapping of a quantitative trait locus (QTL) from *Lycopersicon hirsutum* chromosome 1 affecting fruit characteristics and agronomic traits: breaking linkage among QTLs affecting different traits and dissection of heterosis for yield 471
Moore BJ → Price AH
Moran GF → Butcher PA
Moretzsohn MC, Nunes CDM, Ferreira ME, Grattapaglia D: RAPD linkage mapping of the shell thickness locus in oil palm (*Elaeis guineensis* Jacq.) 63
Morishima H → Cai H-W
Morris CF → Lillemo M
Mukhopadhyay A → Arumugam N
Murai M → Nikaido AM
Mutschler MA → Doganlar S
Mytton L → Giddings G

Nagano H, Kawasaki S, Kishima Y, Sano Y: Structural differences in the vicinity of the *waxy* locus among the *Oryza* species with the AA-genome: identification of variable regions 376
Nagasaka K → Nikaido AM
Nass N → Li J-H
Navarro L → Cervera M
Nawrath C → Poirier Y
Ndjiondjop M-N → Lorieux M
Nebauer SG, Castillo-Agudo L del, Segura J: An assessment of genetic relationships within the genus *Digitalis* based on PCR-generated RAPD markers 1209
Nevo E → Li Y-C
Newbigin E → Li J-H
Newbury HJ → Virk PS
Nguyen HT → Dong NV
Nguyen HT → Tripathy JN
Nguyen TT → Tripathy JN
Ni JJ → Wu P
Nicolas P → Perretant MR
Nicolosi E, Deng ZN, Gentile A, La Malfa S, Continella G, Tribulato E: Citrus phylogeny and genetic origin of important species as investigated by molecular markers 1155
Nie X → Singh RP
Nikaido AM, Ujino T, Iwata H, Yoshimura K, Yoshimura H, Suyama Y, Murai M, Nagasaka K, Tsumura Y: AFLP and CAPS linkage maps of *Cryptomeria japonica* 825
Nimmakayala P → Reddy OUK
Nunes CDM → Moretzsohn MC

Oczkowski M → Szklarczyk M
Ohm H → Bai G-H
Okamura M → Kondo T
Oliva N → Datta K
Ono Y, Takahata Y: Genetic analysis of shoot regeneration from cotyledonary explants in *Brassica napus* 895
Ooijen JW van → Heusden AW van
Oury F-X, Brabant P, Bérard P, Pluchard P: Predicting hybrid value in bread wheat: biometric modelling based on a "top-cross" design 96

Pagé M → Benmoussa M
Paget-Goy A → D'Hont A
Pammi S → Reddy OUK
Panaud O → Le Thierry d'Ennequin M
Panta GR → Arora R
Paplauskienė V → Pašakinskienė I
Pâques LE → Arcade A
Parani M, Lakshmi M, Ziegenhagen B, Fladung M, Senthilkumar P, Parida A: Molecular Phylogeny of mangroves VII. PCR-RFLP of *trn*S-*psb*C and *rbc*L gene regions in 24 mangrove and mangrove-associate species 454
Parco A → Hittalmani S
Parida A → Parani M
Park WD → Cho YG
Park WD → Temnykh S
Pašakinskienė I, Griffiths CM, Bettany AJE, Paplauskienė V, Humphreys MW: Anchored simple-sequence repeats as primers to generate species-specific DNA markers in *Lolium* and *Festuca* grasses 384
Pasonen H-L, Käpylä M, Pulkkinen P: Effects of temperature and pollination site on pollen performance in *Betula pendula* Roth – evidence for genotype-environment interactions 1108
Paterson AH → Jiang C
Pawlowski WP → Svitashev S
Pedrosa A, Schweizer D, Guerra M: Cytological heterozygosity and the hybrid origin of sweet orange [*Citrus sinensis* (L.) Osbeck] 361
Peffley EB, Hou A: Bulb-type onion introgressants possessing *Allium fistulosum* L. genes recovered from interspecific hybrid backcrosses between *A. cepa* L. and *A. fistulosum* L. 528
Peffley EB → Hou A
Pejić I → Sefc KM
Peña L → Cervera M
Pental D → Arumugam N
Pérez-Vich B, Garcés R, Fernández-Martínez JM: Epistatic interaction among loci controlling the palmitic and the stearic acid levels in the seed oil of sunflower 105
Perretant MR, Cadalen T, Charmet G, Sourdille P, Nicolas P, Boeuf C, Tixier MH, Branlard G, Bernard S, Bernard M: QTL analysis of bread-making quality in wheat using a doubled haploid population 1167
Petiard V → Fulton TM
Pflüger LA → Dubcovsky J
Picault H → Chèvre AM
Pickering RA, Malyshev S, Künzel G, Johnston PA, Korzun V, Menke M, Schubert I: Locating introgressions of *Hordeum bulbosum* chromatin within the *H. vulgare* genome 27
Pina JA → Cervera M
Pinard F → Lespinasse D
Pion C → Costa P
Pittaway TS → Devos KM
Plomion C → Costa P
Pluchard P → Oury F-X
Poirier Y, Ventre G, Nawrath C: High-frequency linkage of co-expressing T-DNA in transgenic *Arabidopsis thaliana* transformed by vacuum-infiltration of *Agrobacterium tumefaciens* 487
Poncet V, Lamy F, Devos KM, Gale MD, Sarr A, Robert T: Genetic control of domestication traits in pearl millet (*Pennisetum glaucum* L., Poaceae) 147
Pot D → Costa P
Potrykus I → Bieri S
Pradhan AK → Arumugam N
Prasad M, Varshney RK, Roy JK, Balyan HS, Gupta PK: The use of microsatellites for detecting DNA polymorphism, genotype identification and genetic diversity in wheat 584
Prasad M → Varshney RK
Prat D → Arcade A
Price AH, Steele KA, Moore BJ, Barraclough PB, Clark LJ: A combined RFLP and AFLP linkage map of upland rice (*Oryza sativa* L.) used to identify QTLs for root-penetration ability 49
Pryor A → Ayliffe MA
Pulkkinen P → Pasonen H-L

Qiao CG, Basford KE, DeLacy IH, Cooper M: Evaluation of experimental designs and spatial analyses in wheat breeding trials 9
Quang VD → Dong NV
Quy TD → Dong NV
Quynh NT → Yamamori M

Raamsdonk LWD van, Vrielink-van Ginkel M, Kik C: Phylogeny reconstruction and hybrid analysis in *Allium* subgenus *Rhizirideum* 1000
Rae SJ, Aldam C, Dominguez I, Hoebrechts M, Barnes SR, Edwards KJ: Development and incorporation of microsatellite markers into the linkage map of sugar beet (*Beta vulgaris* spp.) 1240
Rajebhosale MD → Datta R
Ramasamy P → Reddy OUK
Ramdoyal K, Sullivan S, Lim Shin Chong LCY, Badaloo GH, Saumtally S, Domaingue R: The genetics of rust resistance in sugar cane seedling populations 557
Ranjekar PK → Datta R
Ranjekar PK → Joshi SP
Reamon-Büttner SM, Jung C: AFLP-derived STS markers for the identification of sex in *Asparagus officinalis* L. 432
Reddy AS → Reddy OUK
Reddy OUK, Siddiq EA, Sarma NP, Ali J, Hussain AJ, Nimmakayala P, Ramasamy P, Pammi S, Reddy AS: Genetic analysis of temperature-sensitive male sterilty in rice 794
Reeves JC → Donini P
Reggiardo MI → Alvarez ML
Remington DL → Costa P
Ren JP, Dickson MH, Earle ED: Improved resistance to bacterial soft rot by protoplast fusion between *Brassica rapa* and *B. oleracea* 810
Renard M → Chèvre AM
Reynolds A → Devos KM
Richardson TE → Kumar S
Ridout MS → Bošković R
Robert T → Poncet V
Roberts PA → Boiteux LS
Roberts PA → Simon PW
Robin S → Tripathy JN
Röder M → Chantret N
Röder MS → Börner A
Röder MS → Li Y-C
Röder MS → Salina E
Rodier-Goud M → Lespinasse D
Rognon F → Teulat B
Romero-Severson J → Bernardo R
Ron M, Kantety R, Martin GB, Avidan N, Eshed Y, Zamir D, Avni A: High-resolution linkage analysis and physical characterization of the EIX-responding locus in tomato 184
Rossetto M → Scott KD
Roubelakis-Angelakis KA → Sefc KM
Rousset M → Dubcovsky J
Rowland LJ → Arora R
Roy JK → Prasad M
Roy JK → Varshney RK
Rozhkova VT → Konarev AlV
Rubio P → De Bustos A
Rudas VA → Yemets AI
Russell K → Bošković R
Ryabushkina N → Alvarez ML

Saghai Maroof MA → Hayes AJ
Saiki H → Goto F
Sakai T → Koizuka N
Salina E, Börner A, Leonova I, Korzun V, Laikova L, Maystrenko O, Röder MS: Microsatellite mapping of the induced sphaerococcoid mutation genes in *Triticum aestivum* 686
Salvador L, Alía R, Agúndez D, Gil L: Genetic variation and migration pathways of maritime pine (*Pinus pinaster* Ait) in the Iberian peninsula 89
Sanago M → Strommer J
Sano Y → Nagano H
Sarma NP → Reddy OUK
Sarr A → Le Thierry d'Ennequin M
Sarr A → Poncet V
Sarrafi A → Bolandi AR
Saumtally S → Ramdoyal K
Sawada S → Araki E
Schachermayr G → Messmer MM
Schaffer AA → Levin I
Scheepers D, Eloy M-C, Briquet M: Identification of larch species (*Larix decidua*, *Larix kaempferi* and *Larix X eurolepis*) and estimation of hybrid fraction in seed lots by RAPD fingerprints 71
Schöniger M → Erschadi S
Schrader O, Budahn H, Ahne R: Detection of 5S and 25S rRNA genes in *Sinapis alba*, *Raphanus sativus* and *Brassica napus* by double fluorescence in situ hybridization 665
Schrevens E → King GJ
Schubert I → Pickering RA
Schwarz G, Herz M, Huang XQ, Michalek W, Jahoor A, Wenzel G, Mohler V: Application of fluorescence-based semi-automated AFLP analysis in barley and wheat 545
Schweizer D → Pedrosa A
Scott KD, Eggler P, Seaton G, Rossetto M, Ablett EM, Lee LS, Henry RJ: Analysis of SSRs derived from grape ESTs 723
Seaton G → Scott KD
Sebastian RL, Howell EC, King GJ, Marshall DF, Kearsey MJ: An integrated AFLP and RFLP *Brassica oleracea* linkage map from two morphologically distinct doubled-haploid mapping populations 75
Sefc KM, Lopes MS, Lefort F, Botta R, Roubelakis-Angelakis KA, Ibáñez J, Pejić I, Wagner HW, Glössl J, Steinkellner H: Microsatellite variability in grapevine cultivars from different European regions and evaluation of assignment testing to assess the geographic origin of cultivars 498
Seguin M → Lespinasse D
Segura J → Nebauer SG
Senthilkumar P → Parani M
Setiawan A, Koch G, Barnes SR, Jung C: Mapping quantitative trait loci (QTLs) for resistance to *Cercospora* leaf spot disease (*Cercospora beticola* Sacc.) in sugar beet (*Beta vulgaris* L.) 1176
Seyfarth R → Messmer MM
Shaner G → Bai G-H
Shen S → Levin I
Shewry P → Alvarez ML
Shewry PR → Konarev AlV
Shigyo M → Heusden AW van
Shu QY → Bao JS
Siddiq EA → Reddy OUK
Simon PW, Matthews WC, Roberts PA: Evidence for simply inherited dominant resistance to *Meloidogyne javanica* in carrot 735
Simon PW → Boiteux LS
Singh RP, Nie X, Tai GCC: A novel hypersensitive resistance response against potato virus A in cultivar "Shepody" 401
Skøt L → Giddings G
Smertenko AP → Yemets AI
Sodhi YS → Arumugam N
Solodushko VG → Yemets AI
Somers DA → Svitashev S
Sourdille P → Chantret N
Sourdille P → Perretant MR
Spelman RJ → Kumar S
Stachel M, Lelley T, Grausgruber H, Vollmann J: Application of microsatellites in wheat (*Triticum aestivum* L.) for studying genetic differentiation caused by selection for adaptation and use 242
Staskawicz BJ → Tai T
Steele KA → Price AH
Stein J → Alvarez ML
Steinkellner H → Lexer C
Steinkellner H → Sefc KM
Stommel JR → Zhang Y
Strommer J, Gerats AGM, Sanago M, Molnar SJ: A gene-based RFLP map of petunia 899
Suárez E → Dubcovsky J
Subudhi PK → Dong NV
Sullivan S → Ramdoyal K
Sun M → Huang JC
Suyama Y → Nikaido AM
Svitashev S, Ananiev E, Pawlowski WP, Somers DA: Association of transgene integration sites with chromosome rearrangements in hexaploid oat 872
Szklarczyk M, Oczkowski M, Augustyniak H, Börner T, Linke B, Michalik B: Organisation and expression of mitochondrial *atp9* genes from CMS and fertile carrots 263

Tai GCC → Singh RP
Tai T, Staskawicz BJ: Construction of a yeast artificial chromosome library of pepper (*Capsicum annuum* L.) and identification of clones from the *Bs2* resistance locus 112
Takahata Y → Ono Y
Takeda K → Taketa S
Taketa S, Ando H, Takeda K, Harrison GE, Heslop-Harrison JS: The distribution, organization and evolution of two abundant and widespread repetitive DNA sequences in the genus *Hordeum* 169
Tang S, Li Z, Jia X, Larkin PJ: Genomic in situ hybridization (GISH) analyses of *Thinopyrum intermedium*, its partial amphiploid Zhong 5, and disease-resistant derivatives in wheat 344
Tanksley SD → Doganlar S
Tanksley SD → Fulton TM
Tanksley SD → Monforte AJ
Tao W, Liu D, Liu J, Feng Y, Chen P: Genetic mapping of the powdery mildew

resistance gene *Pm6* in wheat by RFLP analysis 564
Tao YZ, Henzell RG, Jordan DR, Butler DG, Kelly AM, McIntyre CL: Identification of genomic regions associated with stay green in sorghum by testing RILs in multiple environments 1225
Tartarini S → King GJ
Tashiro Y → Heusden AW van
Tatham AS → Konarev AlV
Tatlioglu T → Engelke T
Tavaud M → Chantret N
Taylor L → Giddings G
Temnykh S, Park WD, Ayres N, Cartinhour S, Hauck N, Lipovich L, Cho YG, Ishii T, McCouch SR: Mapping and genome organization of microsatellite sequences in rice (*Oryza sativa* L.) 698
Temnykh S → Cho YG
Terada K → Kondo T
Teulat B, Aldam C, Trehin R, Lebrun P, Barker JHA, Arnold GM, Karp A, Baudouin L, Rognon F: An analysis of genetic diversity in coconut (*Cocos nucifera*) populations from across the geographic range using sequence-tagged microsatellites (SSRs) and AFLPs 764
Thomas S → Giddings G
Tichit L → Marty I
Tixier MH → Perretant MR
Tobutt KR → Bošković R
Todd D → Bradshaw JE
Tohme J → Fregene M
Tokoro E → Kaga A
Tomiuk J, Hauser TP, Bagger-Jørgensen R: A- or C-chromosomes, does it matter for the transfer of transgenes from *Brassica napus* 750
Torres-Ruiz RA → Erschadi S
Toupance B → Le Thierry d'Ennequin M
Tranquilli G → Dubcovsky J
Trehin R → Teulat B
Treloar N → Li J-H
Tribulato E → Nicolosi E
Tripathy JN, Zhang J, Robin S, Nguyen TT, Nguyen HT: QTLs for cell-membrane stability mapped in rice (*Oryza sativa* L.) under drought stress 1197
Troispoux V → Lespinasse D
Trouslot P → Lashermes P
Tsukimoto K → Kaga A
Tsumura Y → Nikaido AM
Tsunewaki K → Wang G-Z
Tuleen NA → Wenig Y

Uhlig J → Fulton TM
Ujino T → Nikaido AM
Unger O → Börner A

Vallejos RH → Alvarez ML
Van Campenhout S, Koebner RMD, Volckaert G: The applicability of consensus PCR primers across species and genera: the use of wheat Em sequences to develop markers for orthologues in rye 328
Varshney RK, Prasad M, Roy JK, Kumar N, Harjit-Singh, Dhaliwal HS, Balyan HS, Gupta PK: Identification of eight chromosomes and a microsatellite marker on 1AS associated with QTL for grain weight in bread wheat 1290
Varshney RK → Prasad M
Vázquez AM → Linacero R
Vekemans X → Djè Y
Venter E, Botha A-M: Development of markers linked to *Diuraphis noxia* resistance in wheat using a novel PCR-RFLP approach 965
Ventre G → Poirier Y
Verbeek WHJ → Heusden AW van
Verhaegh J → King GJ
Verma JK → Arumugam N
Vézina L-P → Benmoussa M
Villemur P → Besnard G
Virk PS, Newbury HJ, Jackson MT, Ford-Lloyd BV: Are mapped markers more useful for assessing genetic diversity? 607
Volckaert G → Van Campenhout S
Vollmann J → Stachel M
Vorsa N → Arora R
Vrielink-van Ginkel M → Raamsdonk LWD van
Vrielink-van Ginkel R → Heusden AW van

Waddell CS → Babwah AV
Wagner HW → Sefc KM
Walther U → Kicherer S
Wang B → Dong NV
Wang D, Karle R, Iezzoni AF: QTL analysis of flower and fruit traits in sour cherry 535
Wang G-L → Yin Z
Wang G-Z, Matsuoka Y, Tsunewaki K: Evolutionary features of chondriome divergence in *Triticum* (wheat) and *Aegilops* shown by RFLP analysis of mitochondrial DNAs 221
Wenig Y, Tuleen NA, Hart GE: Extended physical maps and a consensus physical map of the homoeologous group-6 chromosomes of wheat (*Triticum aestivum* L. em Thell.) 519
Wenzel G → Schwarz G
Wietsma WA → Heusden AW van
Wilcox PL → Kumar S
Wilkinson MJ → Charters YM
Williams CG → Gwaze DP
Wilson RN → Bradshaw JE
Wing RA → Zhang H-B
Winzeler M → Messmer MM
Woo SS → Jiang C
Woolliams JA → Gwaze DP
Wright RJ → Jiang C
Wu P, Liao CY, Hu B, Yi KK, Jin WZ, Ni JJ, He C: QTLs and epistasis for aluminum tolerance in rice (*Oryza sativa* L.) at different seedling stages 1295
Wu RL: Partitioning of population genetic variance under multiplicative-epistatic gene action 743
Wu RL, Han YF, Hu JJ, Fang JJ, Li L, Li ML, Zeng Z-B: An integrated genetic map of *Populus deltoides* based on amplified fragment length polymorphisms 1249
Wu RL → Han ZM

Xia YW → Bao JS
Xu ML, Melchinger AE, Lübberstedt T: Origin of *Scm1* and *Scm2* – two loci conferring resistance to sugarcane mosaic virus (SCMV) in maize 934

Yamamori M, Quynh NT: Differential effects of Wx-A1, -B1 and -D1 protein deficiencies on apparent amylose content and starch pasting properties in common wheat 32
Yamamoto MP → Kubo T
Yang ZL → Luo MC
Yano M → Gastafson JP
Yelle S → Benmoussa M
Yemets AI, Kundel'chuk OP, Smertenko AP, Solodushko VG, Rudas VA, Gleba YY, Blume YB: Transfer of amiprophosmethyl resistance from a *Nicotiana plumbaginifolia* mutant by somatic hybridisation 847
Yeselson E → Levin I
Yi KK → Wu P
Yin TM → Han ZM
Yin Z, Wang G-L: Evidence of multiple complex patterns of T-DNA integration into the rice genome 461
Yoshihara T → Goto F
Yoshimura H → Nikaido AM
Yoshimura K → Nikaido AM

Zamir D → Fulton TM
Zamir D → Ron M
Zanetti S → Messmer MM
Zeigler RS → Hittalmani S
Zeng Z-B → Wu RL
Zhang H-B, Budiman MA, Wing RA: Genetic mapping of *jointless-2* to tomato chromosome 12 using RFLP and RAPD markers 1183
Zhang J → Tripathy JN
Zhang Y, Stommel JR: RAPD and AFLP tagging and mapping of *Beta* (*B*) and *Beta* modifier (Mo_B), two genes which influence β-carotene accumulation in fruit of tomato (*Lycopersicon esculentum* Mill.) 368
Zheng HG → Dong NV
Zheng XW → Bao JS
Zhu LH → Bao JS
Ziegenhagen B → Parani M
Ziegle J → Bernardo R
Zimányi L → Kaló P

Editorial 167

Acknowledgements

The editors wish to thank the following referees for their assistance and evaluation of manuscripts submitted

M. Ahmad (Christchurch, New Zealand)
D. Ball (Harlan, USA)
S. Baenziger (London, UK)
I. Bancroft (Cambridge, UK)
B. Beavis (Santa Fe, USA)
R. Bernatzky (Amherst, USA)
M. Bhave (Melbourne, Australia)
A. Blanco (Bari, Italy)
A. Börner (Gatersleben, Germany)
D.S. Brar (Los Banos, Philippines)
A. Breiman (Jerusalem, Israel)
J.K.M. Brown (Norwich, UK)
P.D.S. Caligari (Reading, UK)
G. Charmet (Clermont-Ferrand, France)
S.K. Datta (Los Banos, Philippines)
Dirlewanger (Versailles, France)
P. Donini (Cambridge, UK)
R. D'Ovidio (Viterbo, France)
K. Edwards (Bristol, UK)
J. Flintham (Norwich, UK)
M. Foolad (University Park, PA, USA)
B. Ford-Lloyd (Birmingham, UK)
W. Fried (Gießen, Germany)
M. Ganal (Gatersleben, Germany)
P. Gepts (Riverside, USA)
A. Goldsbrough (Cambridge, UK)
A. Graner (Gatersleben, Germany)
B. Graybosch (Linclon, USA)
Greenwell (Chipping Camden, USA)
P. Gustafson (Columbia, USA)
C. Hackett (Dundee, UK)
V. Hahn (Eckartsweiher Germany)
N. Halford (Bristol, UK)
L. Hartl (Freising, Germany)
W.A. Harwood (Norwich, UK)
A. Hayes (Blacksburg, USA)
C. Hedley (Norwich, UK)
M. Heun (Aas, Norway)
Horn (Gießen, Germany)
C. Howarth (Aberystwyth, UK)
M. Hühn (Kiel, Germany)
Iezzoni (East Lansing, USA)
A. Jahoor (Risø, Denmark)
C. Jung (Kiel, Germany)
M. Kearsey (Birmingham, UK)
G.S. Khush (Los Banos, Philippines)
M. Klocke (Freising, Germany)
R.M.D. Koebner (Norwich, UK)
M. Koornneef (Wageningen, Netherlands)
D.A. Laurie (Norwich, UK)
C. Lebreton (Clemont-Ferrand, France)
T. Lelley (Wien, Austria)
H. Lörz (Hamburg, Germany)
Lübberstedt (Stuttgart, Germany)
M. Lynch (Eugene, USA)
F.X. Maidl (Freising, Germany)
M. Matzke (Salzburg, Austria)
P.J. Maughan (Ankeny, USA)
S.R. McCouch (Ithaca, USA)
R.A. McIntosh (Sydney, Australia)
K. Meksem (Carbondale, USA)
C. Möllers (Göttingen, Germany)
V. Mohler (Freising, Germany)
J. Müller, (Münster, Germany)
R. Nelson (Lima, Peru)
J.C. Nelson (Nedlands, USA)
H. Nguyes (Lubbock, USA)
D. Ohta (Osaka, Japan)
S. Peloquin (Madison, USA)
S.A. Quarrie (Norwich, UK)
O. Riera-Lizurazu (Corvallis, USA)
T. Rocheford (Urbana, USA)
W. Schenkel (Freising, Germany)
A.H. Schulman (Helsinki, Finland)
A. Schwarzfischer (Freising, Germany)
P. Sharp (Sydney, Australia)
D. Somers (Cambridge, UK)
P. Stam (Wageningen, Netherlands)
J. Tamulonis (Ames, USA)
S.E. Travis (Flagstaff, USA)
D. Vienne de (Gif-sur-Yvette, France)
A.J. Worland (Norwich, UK)
K. Wu (St. Louis, USA)
M. Yano (Tsukuba, Japan)
D. Zamir (Rehovot, Israel)
F.J. Zeller (Freising, Germany)
E. Zyprian (Siebeldingen, Germany)

as well as the assistance of Mrs. Vera Bork at the editorial office at Freising.